Urmi Patel

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Summary

I am a graduate student studying information systems at Northeastern University. It would be an honor to work as a software developer for a product-based company, where I could put my technical skills to use and contribute to the development of cutting-edge solutions.

Education

Master of Science, Information Systems

Northeastern University, Boston, MA   May 2024
- GPA: 3.5/4

Bachelor of Technology, Computer Engineering

Charusat University, Anand, Gujarat, India   May 2022
- CGPA: 9.1/10

Experience

Application Developer Intern   January 2022 - April 2022

BISAG-N, Gandhinagar, Gujarat, India
- Developed an Android application for car repair services to help one to find a mechanic nearby
- Added features such as location tracking using maps, chat with mechanics in the application
- Built front-end in Java, and database was handled with **SQL**

Website Development Intern   June 2021 - August 2021

XIPRA Technology, Himatnagar, Gujarat, India
- Implemented an online crime management system using **HTML**, and **JavaScript** to manage criminal records and reduce paperwork
- Devised an interactive system and delivered data storage by assembling input controls and user interface components

Web Development Intern   May 2020 - June 2020

CHARUSAT University, Anand, Gujarat, India
- Generated and administered a web application in **Python** for a virtual testing system to allow institutions to administer exams online
- Enhanced database system by using **MySQL** as it functions as a unified entity object

Skills

Programming Languages: C, C++, Java, Python, HTML, CSS, JavaScript, Oracle, R Programming, JavaFX, SQL
Technical: Android Development, Web Development, User Experience, and User Interface Design
Tools: Android Studio, VS Code, Apache NetBeans, Eclipse, GitHub, Anaconda Navigator, Moqups, Figma, SQL Server Management Studio

Academic Projects

Hotel Management Database Project, Northeastern University   September 2023- December 2023
- Efficient management of room reservations can boost guest loyalty and improve personalized services.
- Functions, stored procedures, triggers, views, and normalization concepts were used in the implementation.
- SQL Server Management Studio was used for executing efficient database queries.
- Draw.io was utilized to create an EER diagram.
- Power BI was used for data visualization.

Recipe Manager Application, Northeastern University   March 2023- April 2023
- Recipe Manager is a digital tool for recipe organization and management.
- Users can store, search, and categorize recipes for easier access.
- JavaFX and SceneBuilder were used for the front end while the backend was developed in Java.
- A MySQL database was implemented for efficient data management.

Trader Joe's Application Design, Northeastern University   March 2023- April 2023
- Utilized Axure RP to design a Mobile Application for a Grocery Store
- User Experience Design concepts such as Open and Closed Card Sorting, Persona Building, Strategy Plane, Scope Plane, Structure Plane, Surface Plane, and Skeleton Plane were used.
- Different card designs were produced for various tasks such as product browsing, shopping carts, orders, tracking, accounts, and daily offers.

Vaccination Scheduler, Northeastern University   October 2022 - November 2022
- Created a CRUD operation model in Apache NetBeans with features for vaccination distribution, appointment scheduling, and testing to simplify the registration
- Utilized JAVA Swing to construct a user-friendly and captivating Graphical User Interface for the system

Text Recognition Application, Charusat University   January 2021 - April 2021
- Employed Android Studio to build a mobile application to recognize text, summarize it and search on the web for it
- Applied OpenNLP for summarization, Google Vision API for text recognition, and Java for UI

Animated Video, Charusat University   July 2019 - October 2019
- Visualized video begins with the creation of a story, followed by design of characters, and finally by the generation of animation
- Included background music and sound effects, and characters were animated using Adobe Animate CC once had been imported and formed

Certifications

- GOOGLE IT AUTOMATION WITH PYTHON: Professional Course on Coursera provided by google
- PYTHON DATA STRUCTURES: Professional Course on Coursera provided by University of Michigan
- PROGRAMMING IN C++: NPTEL Online Certification